GXP XPLORER® v2.1.0 SOFTWARE UPDATE 201403.1.X

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Installation

To install this software update, please see the installation instructions provided in the *Server Admininstrator Manual* or the *GXP Xplorer Quick-start Guide*.

It is recommended that a backup of the current installation be made prior to installation of this update. The update installation will overwrite files in the destination directory without creating backups. A cancelation of the update installation requires installation of the software from the original GXP Xplorer DVD (Disc 1).

Following are the tracking numbers of the fixes included in this update. Every update is cumulative, and includes the fixes from every prior update.

Enhancements

- **GXPXPLOR-4698:** Enabled PK and PKI token user authentication
- **GXPXPLOR-4701:** Added ability to extract coordinates from textual files and use as geotags
- **GXPXPLOR-4706:** Updated ability to catalog video files and display swath
- **GXPXPLOR-4716:** Change Java downloader and uploader to be nonJava by default with links to toggle
- **GXPXPLOR-5184:** Created Image Library Catalog Plugin
- **GXPXPLOR-5185:** Added server-side Image Library Security Support
- **GXPXPLOR-5186:** Added client Image Library Security Support
- **GXPXPLOR-5187:** Enabled Image Library Stage Data Operation
- **GXPXPLOR-5189:** Updated server communication for Image Library support
- **GXPXPLOR-5190:** Disabled irrelevant operations when using the Image Library plugin
- **GXPXPLOR-5191:** Integrated Image Library roles
- **GXPXPLOR-5237:** Added WFS query and retrieval
- **GXPXPLOR-5357:** Improved Jump to Coordinates textbox to handle more formats
- **GXPXPLOR-5392:** Created a Preference to control when to use the non-Java cart
- **GXPXPLOR-5496:** Updated documentation for the WFS capability
- **GXPXPLOR-5508:** Added support OGC WMTS as a map background
- **GXPXPLOR-5520:** Updated support for newer web browser versions
- **GXPXPLOR-5983:** Updated documentation to include the Image Library plugin
- **GXPXPLOR-5984:** Updated documentation for removing Anonymous user
- **GXPXPLOR-5987:** Updated documentation with service account requirements
- **GXPXPLOR-6055:** Updated documentation with Discretionary Access Control instructions
- **GXPXPLOR-6182:** Updated documentation for the Configuration Management tool to include a section on PKI settings

- **GXPXPLOR-6185:** Updated documentation to include Rotate Shadow Down in GXP WebView
- **GXPXPLOR-6192:** Updated documentation to add how to apply the Service Account to additional services
- **GXPXPLOR-6307:** Updated documentation for the Image Library plugin
- **GXPXPLOR-6406:** Updated documentation with third party plugin search capability limitations
- **GXPXPLOR-6547:** Added check to verify running Start / Stop Xplorer scripts as Admin

- **GXPWEB-291:** Added a classification option to the User Manual
- **GXPWEB-275:** Updated the WebView Enhance tab parameters with availability and Sharpness range
- **GXPWEB-205:** Added Ability to Control Elevation Units and Precision
- **GXPWEB-185:** Fully Productized WMTS
- **GXPWEB-182:** Added ability to use terrain for coordinate reporting
- **GXPWEB-168:** Added a security classification label
- **GXPWEB-149:** Added the ability to rotate orientation to Shadows down
- **GXPWEB-128:** Included the capability to configure the filename that is uploaded to GXP Xplorer
- **GXPWEB-118:** Added the ability to select the best terrain files for mensuration from GXP Xplorer
- **GXPWEB-116:** Updated the accuracy of the coordinates displayed underneath the cursor

Bugs

- **GXPXPLOR-5355:** Footprint for TPC ONC CADRG file fixed for both WMS and Google Maps
- **GXPXPLOR-5356:** File monitor UI can now be un-docked in Internet Explorer 9
- **GXPXPLOR-5358:** Updated the Sensor Name field to appear for non-NITF imagery types
- **GXPXPLOR-5361:** Added several performance improvements in the Web Client
- **GXPXPLOR-5362:** Search Geometries now renders across international dateline
- **GXPXPLOR-5365:** Circle point now centers correctly across international dateline
- **GXPXPLOR-5366:** Updated documentation for removing anonymous users on external LDAPs
- **GXPXPLOR-5367:** Added a pan tool to the Search AOI Map
- **GXPXPLOR-5369:** Updated the Admin Manual with Federation Keystore information
- **GXPXPLOR-5371:** Update Admin Manual with Silent Installation Instructions including Config Tool
- **GXPXPLOR-5373:** Made the graphical X used to close windows more visible
- **GXPXPLOR-5374:** Taught cataloger to recognize and skip RSets rapidly
- **GXPXPLOR-5378:** Added an exit function from WMS gallery
- **GXPXPLOR-5380:** Added job status for Chipping to PowerPoint
- **GXPXPLOR-5385:** Included a blue highlight to selected tab in the Catalog Statistics Window
- **GXPXPLOR-5386:** Fixed Startup Issues dealing with a mountable data directory
- **GXPXPLOR-5388:** Corrected an issue that failed to catalog shapefiles with uppercase extensions
- **GXPXPLOR-5389:** Fixed an issue preventing chipping federated products
- **GXPXPLOR-5391:** Added notifications for when thumbnails or overviews are not yet generated
- **GXPXPLOR-5394:** Updated the data migration tool to use java 7
- **GXPXPLOR-5395:** Support adding file datasource info for third party proxy catalogs
- **GXPXPLOR-5452:** Fixed NIIRS values from metadata extraction
- **GXPXPLOR-5486:** Indicated that changing Virtual Port number requires port number in hostname
- **GXPXPLOR-5487:** Updated documentation for the Port Conflicts section
- **GXPXPLOR-5491:** Setting User Filter Attribute to screen name does not impact Statistics
- **GXPXPLOR-5511:** Fixed corrupted and incorrectly named Applet Jars
- **GXPXPLOR-5512:** Updated documentation with new ports used by GXP Xplorer
- **GXPXPLOR-5513:** Fixed stoppage of Java process prior to Config Tool start
- **GXPXPLOR-5529:** Addressed XSS and CSRF vulnerabilities
- **GXPXPLOR-5531:** Fixed issue with browse generation
- **GXPXPLOR-5532:** Corrected failure of some NITF JPEG 11/12 bit to 8 bit reformats
- **GXPXPLOR-5533:** Third party catalogs properly populate datasets
- **GXPXPLOR-5550:** Metadata is now provided for federated products
- **GXPXPLOR-5551:** Updated copyright on the landing page
- **GXPXPLOR-5561:** JPIP server install script prompt improved for readability
- **GXPXPLOR-5581:** Library hot fix created to enable JacORB DNS
- **GXPXPLOR-5990:** JPEGs are now are geotagged when applicable
- **GXPXPLOR-5991:** Search Results Icon now appears after doing a List Search
- **GXPXPLOR-5992:** Fixed security issues with Java 51 update
- **GXPXPLOR-5998:** Prevented Java heap error when cataloging many files
- **GXPXPLOR-5999:** GeoServer Map Background works while in

HTTPS Configuration

- **GXPXPLOR-6002:** Updated documentation with conducting Saved Searches
- **GXPXPLOR-6005:** Fixed JPIP to work after upgrading GXP Xplorer
- **GXPXPLOR-6008:** Corrected the location of the Support Zip file in the documentation
- **GXPXPLOR-6011:** Prevented non LDAP logins from causing abnormal UI behavior on first login
- **GXPXPLOR-6016:** Fixed issue with missing Chip option
- **GXPXPLOR-6017:** Updated JPIP Streamer to work with with Java 7 update 51
- **GXPXPLOR-6018:** Updated documentation with additional third party connector detail
- **GXPXPLOR-6021:** Improved slow cataloging of orphan frame files
- **GXPXPLOR-6033:** Fixed Chipping not available issue in certain builds
- **GXPXPLOR-6035:** Updated the About Box for 2.1 March
- **GXPXPLOR-6037:** Removed quotation marks in Saved Search links for web integrators
- **GXPXPLOR-6038:** Updated the Server Admin Manual with additional port information
- **GXPXPLOR-6042:** Fixed issue where Search Results button was not appearing
- **GXPXPLOR-6043:** Corrected issue with the Cart not loading
- **GXPXPLOR-6047:** Fixed instances where GeoXray Metadata and browse were missing
- **GXPXPLOR-6050:** Ensured selectability of certain WMS background maps using carrousel
- **GXPXPLOR-6052:** Firefox 27.0 hoses “Change Map Backgroup” capability
- **GXPXPLOR-6061:** Updated Documentation related to new library DNS IOR button
- **GXPXPLOR-6062:** Area Drawer Export URL Link is now available from the List page
- **GXPXPLOR-6064:** Added ability to stop catalog sharing
- **GXPXPLOR-6068:** Corrected Java Error after files are downloaded
- **GXPXPLOR-6073:** Fixed failure to upload for Welcome Background
- **GXPXPLOR-6076:** BE Number now correctly extracted from TFRD data
- **GXPXPLOR-6080:** GXP Xplorer no longer ignores certain NITF 2.0 files
- **GXPXPLOR-6082:** Fixed distributed browse to work with the license manager process
- **GXPXPLOR-6085:** Improved cataloging of certain PDF files to persist the holdings
- **GXPXPLOR-6086:** URL Encoding now works for locked down configurations
- **GXPXPLOR-6090:** Updated JPIP Server Installer to remove unnecessary prompts
- **GXPXPLOR-6093:** Updated Documentation for changing JPIP Server’s Postgres password
- **GXPXPLOR-6097:** Updated the Software Beta Test License Agreement
- **GXPXPLOR-6098:** Corrected the supported Web browsers list
- **GXPXPLOR-6099:** Added WMTS details to the Server Admin and User’s Manuals
- **GXPXPLOR-6101:** Fixed issues with Chip to Powerpoint
- **GXPXPLOR-6102:** Corrected Column headings on the Print option to match display
- **GXPXPLOR-6103:** Fixed classified license failure
- **GXPXPLOR-6104:** Updated Documentation for Java enable/ disable property
- **GXPXPLOR-6105:** Cataloger no longer stops if attempting to monitor many products at once
- **GXPXPLOR-6113:** Corrected failure to catalog large XML file
- **GXPXPLOR-6114:** Updated Documentation with how to change postgres password
- **GXPXPLOR-6123:** Now able to deactivate and delete accounts
- **GXPXPLOR-6146:** Federated downloads no longer fail with invalid hash value error
- **GXPXPLOR-6147:** Updated Documentation with Stage Product information
- **GXPXPLOR-6152:** Made content updates to the Configuration Management Tool
- **GXPXPLOR-6155:** Fixed FireFox issue with Multiple download from the cart
- **GXPXPLOR-6167:** Updated documentation for Discretionary Access Control
- **GXPXPLOR-6168:** Fixed 4 Image Compression problems
- **GXPXPLOR-6169:** Fixed 20 ImageCompressionJP2KComrat problems
- **GXPXPLOR-6170:** Fixed 4 ImageBitDepth reformating problems
- **GXPXPLOR-6171:** Corrected issue where some reformats were not performed
- **GXPXPLOR-6172:** Upload with JAVA disabled now allowed
- **GXPXPLOR-6181:** Fixed issue with catalog sets of JPEGs
- **GXPXPLOR-6183:** Config Tool now filtering ciphers property correctly for HTTPS
- **GXPXPLOR-6184:** Fixed issue with Minifier failing on startup
- **GXPXPLOR-6190:** Fixed issue where Statistics page did not appear
- **GXPXPLOR-6191:** Enabling GeoXray no longer causes a list-systems failure
- **GXPXPLOR-6195:** Now possible to manually validate from the catalog status window
- **GXPXPLOR-6197:** Prevented issue where downloads hang and cause a PKI stack trace

- **GXPXPLOR-6198:** Moved Download Auditing to backend
- **GXPXPLOR-6199:** Web Client no longer spawns unneeded processes
- **GXPXPLOR-6201:** Removed check in Liferay during shutdown
- **GXPXPLOR-6208:** Corrected upgrade issues with non-default service user
- **GXPXPLOR-6209:** Upgraded to DRS 5.3.03.B
- **GXPXPLOR-6212:** Corrected TFRD, AMSD and MSDI deficiencies for library replacements
- **GXPXPLOR-6217:** Fixed issue with automated testing
- **GXPXPLOR-6219:** Prevented Federated Catalogs from disappear in web client
- **GXPXPLOR-6221:** Updated Documentation JPIP section with installation detail
- **GXPXPLOR-6222:** Updated Documentation for Firefox ESR subversion to ".x"
- **GXPXPLOR-6223:** Updated Documentation Release Notes with new ESR sub-version ".x"
- **GXPXPLOR-6224:** Fixed federation issue in March update
- **GXPXPLOR-6225:** Fixed issue where Statistics page did not open and froze the browser
- **GXPXPLOR-6232:** Save geolocation no longer throws error
- **GXPXPLOR-6239:** Corrected issue where Time slider disappears
- **GXPXPLOR-6242:** Fixed panning issues on map
- **GXPXPLOR-6246:** Updated Documentation with additional Silent Installation content
- **GXPXPLOR-6250:** Added admin privileges checking to installer
- **GXPXPLOR-6252:** Text Files now geotagged correctly
- **GXPXPLOR-6254:** Fixed license server issue with the classified version of GXP Xplorer
- **GXPXPLOR-6264:** Prevented GXP Xplorer from making internet requests when not needed
- **GXPXPLOR-6266:** Config tool now allows running postgres as a different user
- **GXPXPLOR-6267:** Fixed Java script errors with logging in to catalog
- **GXPXPLOR-6274:** Fixed timeout issue with Free text search and GeoXray
- **GXPXPLOR-6275:** Updated documentation with additional port information
- **GXPXPLOR-6276:** Third party connector now functions after upgrade from October update
- **GXPXPLOR-6277:** Fixed issue with Recent Searches not working
- **GXPXPLOR-6278:** Corrected errant licensing references in the Code
- **GXPXPLOR-6282:** Running Saved Search link now flips to markers when below pagination limit
- **GXPXPLOR-6283:** Deletes and Updates of files fixed to work properly from File System events.
- **GXPXPLOR-6285:** MultiSelecting on List page now works as expected
- **GXPXPLOR-6287:** Updated system to catalog TFRD correctly
- **GXPXPLOR-6288:** Fixed search error when sorting by File Path
- **GXPXPLOR-6291:** Moved VIDEOOTHER under Video in the search results list
- **GXPXPLOR-6292:** Updated changing catalog name to save correctly
- **GXPXPLOR-6293:** Detached CART now works with the JAVA browser option
- **GXPXPLOR-6295:** Settings for Browser Options now reflect the configuration during install
- **GXPXPLOR-6297:** Added filtering for Historical Imagery
- **GXPXPLOR-6299:** Fixed Browse generation for JPEG 2000 products
- **GXPXPLOR-6300:** Map Background Layers Selector now works with more than three layers
- **GXPXPLOR-6301:** Detaching Cart and then closing popup window no longer disables Cart
- **GXPXPLOR-6303:** Fixed Web Media data types filtering
- **GXPXPLOR-6304:** Fixed issue with Other Revelant Articles Window freezing
- **GXPXPLOR-6306:** Corrected issue with adding an online WMS background
- **GXPXPLOR-6309:** Fixed issue with WebClient Logout
- **GXPXPLOR-6314:** Updated Server Admin Guide for Distributed Processing
- **GXPXPLOR-6320:** Fixed issue where services did not start automatically in the classified build
- **GXPXPLOR-6322:** Corrected Save failure for Database Credentials in CM Tool
- **GXPXPLOR-6325:** Searching a federated GeoXray catalog no longer returns an error
- **GXPXPLOR-6328:** Associated browse thumbnails now render correctly
- **GXPXPLOR-6330:** JPEG 2000 products are no longer ignored during cataloging
- **GXPXPLOR-6332:** Fixed port information for Web Media URL with context
- **GXPXPLOR-6333:** Fixed error in the Go to Coordinate Location capability
- **GXPXPLOR-6334:** Corrected issue with Chipping to Power Point
- **GXPXPLOR-6336:** Fixed classified chipping and RSets
- **GXPXPLOR-6337:** Fixed Library Catalog Plugin RSET generation when adding to the Cart
- **GXPXPLOR-6338:** Added ability to deactivate a user
- **GXPXPLOR-6339:** TFRDs are now geotagged appropriately
- **GXPXPLOR-6340:** Cataloging fixed to handle coordinate reader failures
- **GXPXPLOR-6341:** Removed extra character in label for Search

Results

- **GXPXPLOR-6343:** Fixed Automatic searches to run, and Saved Searches fly-out to expand
- **GXPXPLOR-6345:** Reformatting to TFRD now works as expected
- **GXPXPLOR-6352:** Fixed calculate size from Cart to return the correct value
- **GXPXPLOR-6354:** Corrected issue with KML date when using RSS in Chrome
- **GXPXPLOR-6355:** Updated Product Gallery to save all updates made to metadata
- **GXPXPLOR-6357:** Auto search now works as designed
- **GXPXPLOR-6360:** Updated the Config Tool to allow changing Control Daemon Port
- **GXPXPLOR-6361:** Updated the Config Tool to allow changing the broker Port
- **GXPXPLOR-6362:** Historical Imagery correctly displays thumbnails in Product Gallery
- **GXPXPLOR-6364:** Removed the calls that reached out to the internet when not needed
- **GXPXPLOR-6365:** Corrected issue with changing default port usage after agreeing to terms of use
- **GXPXPLOR-6366:** Changed how query filters work with Historical Imagery
- **GXPXPLOR-6367:** Fixed issue with adding additional metadata in Product Gallery and Cart
- **GXPXPLOR-6371:** Product Gallery now displays all metadata that is selected in the picklist
- **GXPXPLOR-6372:** Fixed Internet Explorer issue with detached Cart and detached Product Gallery
- **GXPXPLOR-6374:** Updated changing coordinate options to work and display correctly
- **GXPXPLOR-6375:** Fixed Go to Location capability for MGRS and UTM
- **GXPXPLOR-6377:** Fixed Federation to legacy GXP Xplorer API
- **GXPXPLOR-6378:** Corrected authentication to work with the local PKI token provider only
- **GXPXPLOR-6398:** Fixed issue with date metadata extraction
- **GXPXPLOR-6399:** Corrected markers positioning in Internet Explorer on window resize
- **GXPXPLOR-6401:** Fixed out of memory error when importing clockwise geometry
- **GXPXPLOR-6409:** Updated Server Admin Manual for JPIP server database password change
- **GXPXPLOR-6411:** Fixed Federated search IO failure
- **GXPXPLOR-6412:** Fixed reformatting for split TFRDs
- **GXPXPLOR-6413:** Corrected overview images for Historical Imagery
- **GXPXPLOR-6415:** Fixed marker location on GVS Fusion Maps
- **GXPXPLOR-6417:** Improved the Config Tool to propagate updates to the Managed Directory
- **GXPXPLOR-6433:** Fixed external link on the Security panel of Configuration Management Tool
- **GXPXPLOR-6435:** Fixed upgrading when requests are sent in with duplicated contexts
- **GXPXPLOR-6446:** Corrected upgrade issue where custom keystore files are not preserved
- **GXPXPLOR-6464:** Update Documentation on Discretionary Access Control for Managed data
- **GXPXPLOR-6470:** Fixed issue with certain WMTS URL context
- **GXPXPLOR-6471:** Historical Imagery queries now function correctly
- **GXPXPLOR-6475:** Corrected issue where roles were not preserved on upgrade
- **GXPXPLOR-6477:** Prevented Config Tool from hanging due to invalid WMS entry
- **GXPXPLOR-6478:** Fixed GeoServer WMTS behavior
- **GXPXPLOR-6479:** Corrected issue with initial login error importing LDAP users and groups
- **GXPXPLOR-6517:** Fixed update handling for video files
- **GXPXPLOR-6518:** Corrected issue causing the classified Catalog Server to fail to start
- **GXPXPLOR-6522:** Fixed issues with Saved Search after performing an upgrade
- **GXPXPLOR-6523:** Updated capability to allow for customizing List page table view
- **GXPXPLOR-6528:** Upgrade now preserves the keystore when spaces are in keystore path
- **GXPXPLOR-6535:** Changed compilation of Java Applets to include target 1.6 flags
- **GXPXPLOR-6564:** Historical Thumbnails and Overviews now work in proxied environments
- **GXPXPLOR-6566:** Updated cataloger to recover from out of memory errors
- **GXPXPLOR-6574:** Fixed the Cart to allow reattaching it after removing a product

- **GXPWEB-114:** Fixed publishing to GoogleEarth to work as expected
- **GXPWEB-131:** Added a loading spinning for Internet Explorer
- **GXPWEB-152:** Fixed issue where multi-polygon graphics could cause an error
- **GXPWEB-153:** Updated the abbreviation of miles in the measurement bracket tool
- **GXPWEB-167:** Corrected display issue where the Select tool looks active while in Pan mode
- **GXPWEB-216:** Fixed issue creating SICD Rsets
- **GXPWEB-226:** Recent files area now behaves as expected
- **GXPWEB-229:** Fixed issue preserving markers, bracket tool, and range and bearing preferences
- **GXPWEB-231:** Corrected FireFox behavior for editing a text box
- **GXPWEB-251:** Fixed issue where the Escape key blocked

access to Polygon Properties

- **GXPWEB-271:** Updated display to include rigorous measurements for dropping markers
- **GXPWEB-278:** Fixed the Publish "Send as email"
- **GXPWEB-279:** Corrected rendering issue for the re-sizing imported image capability
- **GXPWEB-281:** Prevented incorrect loading due to unpopulated attributes
- **GXPWEB-282:** Fixed hanging on resize for Inserted Pictures
- **GXPWEB-285:** Fixed publish to Google Earth (KML) capability
- **GXPWEB-292:** Updated Magnifier to render correctly when a picture is dropped in
- **GXPWEB-293:** Fixed upload to GXP Xplorer to generate a JPG
- **GXPWEB-295:** Added support for a GeoServer-based WMTS
- **GXPWEB-296:** Fixed the Change Map Background button in Internet Explorer 9
- **GXPWEB-298:** Corrected image hang due to extra color bands being include with JPGs
- **GXPWEB-300:** Fixed the WFS Options display in Internet Explorer 9
- **GXPWEB-301:** Updated the display for the Status Bar in Internet Explorer 9
- **GXPWEB-302:** Corrected how Historical Images are loaded
- **GXPWEB-308:** Updated Documentation with details about selecting the best terrain
- **GXPWEB-309:** Updated Documentation with Keyboard Shortcuts
- **GXPWEB-311:** Fixed issue with display of the Polygon Properties window in the Draw panel
- **GXPWEB-312:** Corrected issue with the display of the Point Properties window in the Draw panel
- **GXPWEB-313:** Updated Magnifier to work with Historical or Federated Images
- **GXPWEB-314:** Fixed Publish via Email to send PNG with the correct extension
- **GXPWEB-325:** Updated the Best Terrain capability to function with WFS Historical Imagery
- **GXPWEB-331:** Fixed panning issue with transparent panel overlays
- **GXPWEB-334:** Rotate Up and Rotate North buttons now behave as expected